



OPERATING PERMIT Issued Pursuant to Tennessee Air Quality Act

Date Issued: March 19, 2013

Permit Number:
066916F

Date Expires: March 1, 2023

Issued To:
Tennessee Department of Correction
Turney Center Industrial Complex

Installation Address:
1499 R.W. Moore Memorial Highway
Only

Installation Description:

Boiler 1: 16.329 MMBtu/hr Natural Gas-Fired Boiler
Boiler 2: 29.400 MMBtu/hr Natural Gas-Fired Boiler (No. 2 fuel oil backup)
Boiler 3: 16.329 MMBtu/hr Natural Gas-Fired Boiler (No. 2 fuel oil backup)

Emission Source Reference No.

41-0084-01
NSPS
40 CFR 60, Subpart Dc

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

GENERAL CONDITION:

1. The application that was utilized in the preparation of this permit is dated February 1, 2013 and is signed by Thomas Robinson, AIA, Director of Facilities, Planning and Construction for the permitted facility. If this person terminates employment or is assigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

(continued on the next page)

TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

POST AT INSTALLATION ADDRESS

2. This source includes three boilers with the following capacities:

Boiler 1: 16.329 MMBtu/hr

Boiler 2: 29.400 MMBtu/hr

Boiler 3: 16.329 MMBtu/hr

The total stated design heat input capacity for this fuel-burning source (7 boilers) is 62.1 MMBtu/hr, on a daily average basis. If the permittee wishes to increase the design capacity of this source, the permittee shall apply for a construction permit in accordance with 1200-03-09-.01(1) of TAPCR.

3. Only natural gas shall be used as fuel for Boiler 1.
4. Boilers 2, and 3 shall use natural gas as their primary fuel, and #2 fuel oil (diesel fuel) shall only be used during gas emergencies, during periods of gas curtailment, or for periodic testing.
5. Periodic testing using diesel fuel shall not exceed a combined total of 48 hours during any calendar year, for each boiler. This limitation allows the source to be considered a gas-fired boiler, and therefore not subject to CFR 40 Part 63 Subpart JJJJJ.
6. The sulfur content of the #2 fuel oil shall not exceed 0.0015 percent (15 ppm). Compliance with this operating limitation shall satisfy the requirements of 40 CFR §§60.42c(d) and 60.42c(h)(1).
7. Sulfur dioxide (SO₂) emitted from this source shall not exceed 0.5 pounds per hour. This condition is established pursuant to Rule 1200-03-14-.01(3) of TAPCR and the agreement contained in the letter dated October 19, 2012 from the permittee.
8. Particulate matter (PM) emitted from this source shall not exceed 1.5 pounds per hour. This condition is established pursuant to Rule 1200-03-06-.01(7) of TAPCR and the agreement contained in the letter dated October 19, 2012 from the permittee.
9. Visible emissions from this source shall not exhibit greater than twenty percent (20%) opacity, except for one (1) six-minute period in any one (1) hour period and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average). TAPCR 1200-03-05-.03(6) and TAPCR 1200-03-05-.01(1)
10. A monthly log of all liquid fuel usage (in gallons) and operating time in hours, in a form that readily shows compliance with Conditions 2 and 5, shall be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. The permittee shall also obtain certification from the fuel oil supplier of the fuel sulfur content (by weight) for each shipment of liquid fuel, or alternately, the vendor may supply a statement that all fuel oil provided will contain no more than 0.5% sulfur by weight. These records shall be retained at the source location for a period of not less than two (2) years and made readily available for inspection by the Division. Compliance with these recordkeeping requirements shall satisfy the requirements of 40 CFR §§60.48c(g)(1) and 60.48c(i).
11. All data, including all required calculations, must be entered in the log no later than thirty (30) days from the end of the month for which the data is required.
10. This source shall operate in accordance with the terms of this permit and the information submitted in the approved permit application.
11. The issuance of this permit does not exempt the permittee from any requirements of the Environmental Protection Agency pertaining to emissions from the operation of this source.
12. The permittee shall apply for renewal of this operating permit not less than sixty (60) days prior to the permit expiration date, pursuant to Division Rule 1200-03-09-.02(3).

End of conditions

This permit application gives the location of this source as 35°49'54.60" Latitude and 87°41'16.56" Longitude.